

### ABSTRACT

An apparatus for controlling an actuator having a moveable member and having a coil that influences movement of the member, by provision of a drive current to the coil in response to a target speed voltage signal. The apparatus includes a sensing unit (11) for sensing a voltage corresponding to the voltage across said coil and providing a first signal (BEMF) corresponding to the sensed voltage and indicative of the velocity of the moveable member. The apparatus further includes a generation circuit (13) for providing a second signal (TBEMF) indicative of a target voltage corresponding to a target velocity for the moveable member and a controller (12) receiving the first signal and the second signal and responsive thereto for determining a compensation signal characterized as an analog type response regulated to the target voltage for effectuating the target velocity.